

All Other Petroleum and Coal Products Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
324199, All other petroleum and coal products manufacturing	2002..	74	2 910	132 895	2 195	4 316	90 800	510 887	1 035 640	1 557 971	131 851
	2001..	N	3 133	129 186	2 417	4 677	85 594	420 134	1 285 212	1 681 779	99 690
	2000..	N	3 248	129 354	2 507	5 001	87 286	614 013	986 423	1 578 351	38 739
	1999..	N	2 782	110 688	2 174	4 641	75 717	562 024	882 585	1 443 206	32 816
	1998..	N	3 557	146 254	2 751	5 913	96 294	639 344	859 779	1 511 742	79 080
	1997..	61	3 634	152 588	2 841	6 154	107 968	656 362	1 011 717	1 673 333	60 097

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
324199, All other petroleum and coal products manufacturing												
United States.....	1	74	30	2 910	132 895	2 195	4 316	90 800	510 887	1 035 640	1 557 971	131 851
Pennsylvania.....	—	11	7	594	24 022	454	879	16 233	66 049	344 380	411 989	21 463
Texas	—	8	4	258	12 645	211	443	9 983	59 671	120 576	188 320	4 345

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
324199, All other petroleum and coal products manufacturing	
Companies ¹	number.. 62
All establishments ²	number.. 74
Establishments with 1 to 19 employees	number.. 44
Establishments with 20 to 99 employees	number.. 22
Establishments with 100 employees or more	number.. 8
All employees ³	number.. 2 910
Total compensation	\$1,000.. 173 499
Annual payroll	\$1,000.. 132 895
Total fringe benefits	\$1,000.. 40 604
Production workers, average for year	number.. 2 195
Production workers on March 12	number.. 2 206
Production workers on May 12	number.. 2 191
Production workers on August 12	number.. 2 180
Production workers on November 12	number.. 2 189
Production worker hours	\$1,000.. 4 316
Production worker wages	\$1,000.. 90 800
Total cost of materials	\$1,000.. 1 035 640
Materials, parts, containers, packaging, etc., used	\$1,000.. 931 377
Resales	\$1,000.. 44 738
Purchased fuels	\$1,000.. 23 491
Purchased electricity	\$1,000.. 20 098
Contract work	\$1,000.. 15 936
Quantity of electricity purchased for heat and power	1,000 kWh.. 373 215
Quantity of electricity generated less sold for heat and power	1,000 kWh.. 56 825
Total value of shipments	\$1,000.. 1 557 971
Primary products value of shipments	\$1,000.. 1 443 093
Secondary products value of shipments	\$1,000.. 39 583
Total miscellaneous receipts	\$1,000.. 75 295
Value of resales	\$1,000.. 52 963
Contract receipts	\$1,000.. D
Other miscellaneous receipts	\$1,000.. D
Primary products specialization ratio	percent.. 97
Value of primary products shipments made in all industries	\$1,000.. 1 630 027
Value of primary products shipments made in this industry	\$1,000.. 1 443 093
Value of primary products shipments made in other industries	\$1,000.. 186 934
Coverage ratio	percent.. 89
Value added	\$1,000.. 510 887
Total inventories, beginning of year	\$1,000.. 184 366
Finished goods inventories	\$1,000.. 73 156
Work-in-process inventories	\$1,000.. 30 922
Materials and supplies inventories	\$1,000.. 80 288
Total inventories, end of year	\$1,000.. 154 161
Finished goods inventories	\$1,000.. 68 666
Work-in-process inventories	\$1,000.. 23 968
Materials and supplies inventories	\$1,000.. 61 527
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 1 012 568
Total capital expenditures (new and used)	\$1,000.. 131 851
Buildings and other structures (new and used)	\$1,000.. 97 539
Machinery and equipment (new and used)	\$1,000.. 34 312
Automobiles, trucks, etc., for highway use	\$1,000.. 1 645
Computers and peripheral data processing equipment	\$1,000.. 2 562
All other expenditures for machinery and equipment	\$1,000.. 30 105
Total retirements	\$1,000.. 21 450
Gross value of depreciable assets at end of year	\$1,000.. 1 122 969
Depreciation charges during year	\$1,000.. 43 398
Total rental payments	\$1,000.. 20 845
Buildings and other structures	\$1,000.. 15 224
Machinery and equipment	\$1,000.. 5 621
Total other expenses ⁴	\$1,000.. 78 369
Response coverage ratio ⁵	percent.. 75
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 42 710
Communications services ⁴	\$1,000.. 907
Legal services ⁴	\$1,000.. 501
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 429
Advertising and promotional services ⁴	\$1,000.. 148
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 549
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 1 337
Management consulting and administrative services ⁴	\$1,000.. 947
Taxes and license fees ⁴	\$1,000.. 3 635
All other expenses ⁴	\$1,000.. 27 205

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
324199, All other petroleum and coal products manufacturing											
All establishments	1	74	2 910	132 895	2 195	4 316	90 800	510 887	1 035 640	1 557 971	131 851
Establishments with—											
1 to 4 employees	5	21	42	1 797	32	60	1 298	5 098	10 090	16 841	402
5 to 9 employees	3	14	96	4 238	73	148	2 926	19 961	38 546	57 947	779
10 to 19 employees	6	9	144	7 180	113	237	5 366	28 320	67 179	94 242	2 955
20 to 49 employees	2	11	e	D	D	D	D	D	D	D	D
50 to 99 employees	—	11	816	39 221	583	1 177	25 423	183 092	529 708	718 253	26 885
100 to 249 employees	—	6	874	36 436	682	1 317	25 343	63 326	142 806	218 289	6 675
250 to 499 employees	3	2	f	D	D	D	D	D	D	D	D
500 to 999 employees	—	—	—	—	—	—	—	—	—	—	—
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	27	152	7 243	115	238	5 231	20 182	40 237	60 419	2 240

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
324199	All other petroleum and coal products manufacturing	74	2 910	132 895	2 195	4 316	90 800	510 887	1 035 640	1 557 971	131 851
3241991	Coke oven and blast furnace products, made in coke oven establishments	12	1 097	50 285	862	1 809	36 129	125 129	198 218	324 582	12 255
3241992	All other petroleum and coal products, excluding coke oven products, made in coke oven establishments	30	1 579	72 880	1 178	2 196	48 444	361 740	789 329	1 160 791	117 296

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
324199	All other petroleum and coal products manufacturing .....2002..	N	X	X	1 630 027
	.....1997..	N	X	X	1 632 114
3241991	Coke oven and blast furnace products, made in coke oven establishments .....2002..	N	X	X	450 876
	.....1997..	N	X	X	450 235
32419911	Coke oven and blast furnace products, made in coke oven establishments .....2002..	N	X	X	431 372
	.....1997..	N	X	X	450 235
3241991111	Coke oven products, coke (excluding screenings and breeze), made in coke oven establishments ¹ .....1,000 s tons..2002..	19	X	S	411 670
	.....1997..	7	3 208.8	3 244.2	411 766
3241991121	Coke oven products, screenings and breeze, made in coke oven establishments ² .....1,000 s tons..2002..	3	X	S	3 813
	.....1997..	4	325.3	255.6	13 958
3241991131	Coke oven products, crude tar, made in coke oven establishments ³ .....mil gal..2002..	4	X	^q 11.9	5 656
	.....1997..	5	29.4	29.5	16 779
3241991141	Coke oven products, crude light oil, made in coke oven establishments ⁴ .....mil gal..2002..	6	X	18.4	9 045
	.....1997..	4	8.7	8.8	5 146
3241991151	Coke oven products, other (including tar derivatives, ammonia, light oil derivatives, and coke oven gas), made in coke oven establishments ⁵ .....2002..	3	X	X	1 188
	.....1997..	5	X	X	2 586
3241991Y	Coke oven and blast furnace products, made in coke oven establishments, nsk .....2002..	N	X	X	19 504
	.....1997..	N	X	X	—
3241991YWV	Coke oven and blast furnace products, made in coke oven establishments, nsk .....2002..	N	X	X	19 504
	.....1997..	N	X	X	—
3241992	All other petroleum and coal products, excluding coke oven products, made in coke oven establishments .....2002..	N	X	X	1 105 477
	.....1997..	N	X	X	1 083 135
32419921	Calcined petroleum coke, made in coke oven establishments .....2002..	N	X	X	464 263
	.....1997..	N	X	X	762 010
3241992131	Calcined petroleum coke, made in coke oven establishments .....1,000 s tons..2002..	7	X	S	464 263
	.....1997..	11	X	^q 5 120.4	762 010
32419922	All other petroleum and coal products, made in coke oven establishments .....2002..	N	X	X	566 837
	.....1997..	N	X	X	321 125
3241992211	Microcrystalline petroleum waxes, made from refined petroleum ⁶ .....mil bbl..2002..	9	X	S	206 222
	.....1997..	5	X	S	37 568
3241992221	Crystalline petroleum waxes, made from refined petroleum ⁷ .....mil bbl..2002..	8	X	S	209 609
	.....1997..	5	X	S	29 764
3241992241	All other petroleum and coal products, including packaged fuel and fuel briquettes, made in coke oven establishments .....1,000 s tons..2002..	11	X	^p 705.5	151 006
	.....1997..	17	X	S	253 793
3241992Y	All other petroleum and coal products, excluding coke oven products, made in coke oven establishments, nsk .....2002..	N	X	X	74 377
	.....1997..	N	X	X	—
3241992YWV	All other petroleum and coal products, excluding coke oven products, made in coke oven establishments, nsk .....2002..	N	X	X	74 377
	.....1997..	N	X	X	—
324199W	All other petroleum and coal products manufacturing, nsk, total .....2002..	N	X	X	73 674
	.....1997..	N	X	X	98 744
324199WY	All other petroleum and coal products manufacturing, nsk, total .....2002..	N	X	X	73 674
	.....1997..	N	X	X	98 744
324199WYWW	All other petroleum and coal products manufacturing, nsk, for nonadministrative-record establishments .....2002..	N	X	X	17 018
	.....1997..	N	X	X	81 237
324199WYWY	All other petroleum and coal products manufacturing, nsk, for administrative-record establishments .....2002..	N	X	X	56 656
	.....1997..	N	X	X	17 507

¹This product code is primary to more than one industry. See industry 331111, product code 3311111101.

²This product code is primary to more than one industry. See industry 331111, product code 3311111103.

³This product code is primary to more than one industry. See industry 331111, product code 3311111105.

⁴This product code is primary to more than one industry. See industry 331111, product code 3311111107.

⁵This product code is primary to more than one industry. See industry 331111, product code 3311111109.

⁶This product code is primary to more than one industry. See industry 324110, product code 324110T191.

⁷This product code is primary to more than one industry. See industry 324110, product codes 324110T1A1 and 324110T1B1.

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p—10 to 19 percent estimated; q—20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3241991	Coke oven and blast furnace products, made in coke oven establishments	
	United States..... 2002..	450 876
	..... 1997..	450 235
	Pennsylvania..... 2002..	73 850
	..... 1997..	257 742
3241992	All other petroleum and coal products, excluding coke oven products, made in coke oven establishments	
	United States..... 2002..	1 105 477
	..... 1997..	1 083 135
	Texas..... 2002..	171 549
	..... 1997..	259 392

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
324199	All other petroleum and coal products manufacturing		
00900001	Total materials	X	931 377
	.....2002..	X	863 780
	.....1997..	X	
32518107	Sodium hydroxide (caustic soda)(100 percent NaOH)	p2.1	366
	.....1,000 s tons..	N	N
	.....2002..	N	
	.....1997..	N	
32518805	Sulfuric acid, excluding spent (100 percent H ₂ SO ₄)	14.1	561
	.....1,000 s tons..	S	1 600
	.....2002..		
	.....1997..		
21211001	Coal used in the production of coke	2 068.0	106 251
	.....1,000 s tons..	N	N
	.....2002..	N	
	.....1997..	N	
32410007	Cost of materials received from petroleum refineries and lube manufacturers	S	419 663
	.....mil bbl..	S	285 156
	.....2002..	X	296 020
	.....1997..	X	460 837
00970099	All other materials and components, parts, containers, and supplies	X	108 516
	.....2002..	X	116 187
	.....1997..	X	
00971000	Materials, ingredients, containers, and supplies, nsk		
	.....2002..		
	.....1997..		

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.